

MODULES  
**2020/21**

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**FACULTY OF  
ENGINEERING  
& TECHNOLOGY**

BSc (HONS) IN MULTIMEDIA  
SYSTEMS

<https://botswana.bothouniversity.com/>



# BSc (HONS) IN MULTIMEDIA SYSTEMS



## Programme details

The programme consists of core (required) modules and elective modules. Some modules may have pre-requisites (i.e. may require the student to pass another module or set of modules first) while some modules may be co-requisite (i.e. such modules are required to be taken together).

The number at the end of the module in parenthesis indicates the credit load of the module. 1 credit is equal to 10 hours of learning (guided, in class and independent combined); therefore a 10-credit module requires on average 100 hours of learning from the student.

### Core Modules

- C5 - ICO - 11: Introduction to Computers (20)
- C5 - MAT - 11: Mathematics - 1 (20)
- D5 - CSS - 14: Communication Study Skills (20)
- C5 - CSA - 11: Computer Systems Architecture (20)
- C5 - OSH - 11: Operating Systems and Hardware (20)
- C6 - IPC - 11: Introduction to Programming using C++ (20)
- C6 - QMD - 11: Querying and Managing Databases (40)
- C6 - WDD - 19: Web Content and Development (20)
- C7 - ICG - 14: Introduction to Computer Graphics (20)
- C7 - DSA - 11: Data Structures and Algorithms (20)
- C7 - IMS - 14: Introduction to Multimedia Studies (20)
- C7 - 2DA - 14: 2D Design and Animation (20)
- C7 - DIP - 14: Digital Image Processing (20)
- C8 - IDE - 11: Interaction Design (20)
- C7 - PPR - 11: Professional Practice (60)
- C8 - 3DA - 14: 3D Design and Animation (20)
- C8 - MGD - 14: Multimedia Games Design and Development (20)
- C8 - AMP - 14: Advanced Multimedia Applications (20)
- C8 - PRO - 11: Project (40)
- C7 - CP1 - 11: Designing Creative Publications 1 (20)
- C8 - CP2 - 11: Designing Creative Publications 2 (20)
- C7 - AVP - 17: Audio and Video Production (20)

# BSc (HONS) IN MULTIMEDIA SYSTEMS

## Recommended full-time study path (4½ years):

### Semester 1:

- C5 - ICO - 11, C5 - MAT - 11, D5 - CSS - 14

### Semester 2:

- C5 - CSA - 11, C6 - WDD - 19, C7 - IMS - 14

### Semester 3:

- C5 - OSH - 11, C6 - IPC - 11, C7 - CPI - 11

### Semester 4:

- C6 - QMD - 11, C8 - CP2 - 11

### Semester 5:

- C7 - ICG - 14, C7 - DSA - 11, C8 - IDE - 14

### Semester 6:

- C7 - 2DA - 14, C7 - DIP - 14, C7 - AVP - 17

### Semester 7:

- C7 - PPR - 11

### Semester 8:

- C8 - 3DA - 14, C8 - MGD - 14, C8 - AMP - 14

### Semester 9:

- C8 - PRO - 11, Elective (one of B8 - ENT - 13, E8 - ISD - 18)

## Admissions Criteria

- 1) Applicants are expected to have successfully completed secondary schooling. The typical entry requirement is BGCSE or IGCSE (in Botswana), LGCSE (in Lesotho) or an equivalent secondary school qualification.
- 2) Candidates are required to achieve a minimum pass in five subjects and 10 points in English and Mathematics, with a minimum of a C in Mathematics or 32 points and above in the best 5 subjects with a minimum of a C in Mathematics.
- 3) Applicants in possession of a Diploma or Higher Diploma in related field may be given exemptions based on the credit point equivalency.
- 4) For enquiries and more information please visit our website: [www.bothouniversity.com](http://www.bothouniversity.com)